

What is claimed is:

1. A liquid crystal display device, comprising:  
a plurality of pixels arranged in a matrix;  
a drain line provided for each column of said plurality of  
5 pixels;

a gate line provided for each row of said plurality of  
pixels;

an output buffer to output a video signal to be supplied  
to said drain line; and

10 a video correction signal generator to superpose a  
correction signal on the output signal of said output buffer.

2. The liquid crystal display device according to claim 1,  
wherein said video correction signal generator superposes said  
correction signal on the output signal of said output buffer at  
15 least in one of the rising and falling of the output signal.

3. The liquid crystal display device according to claim 1,  
wherein said video correction signal generator changes a waveform  
of said correction signal in synchronization with the timing in  
which said gate line is driven.

20 4. The liquid crystal display device according to claim 1,  
wherein

said pixel includes a thin film transistor having a drain  
connected to said drain line, and a resistive element connected  
in series to a source of said thin film transistor, and

25 the resistance value of said resistive element is reduced  
as the length of said drain line between the pixel and said video  
correction signal generator increases.

5. The liquid crystal display device according to claim 1,

wherein

said video correction signal generator includes a differentiator to differentiate the output signal of each said output buffer, and an adder to add the output signal of each said differentiator and the output signal of each said output buffer, and

said video correction signal generator outputs the output signal of each said adder to a corresponding one of said drain lines.

10           6. The liquid crystal display device according to claim 1, wherein

said video correction signal generator includes a differentiator to differentiate an externally input reference pulse, and an adder to add the output signal of the differentiator and the output signal of each said output buffer, and

said video correction signal generator outputs the output signal of each said adder to a corresponding one of said drain lines.

20           7. The liquid crystal display device according to claim 1, wherein said video correction signal generator includes a correction signal changing system to change a waveform of said correction signal in association with the length of said drain line between a pixel to be supplied with said video signal and itself.

8. The liquid crystal display device according to claim 1, wherein said video correction signal generator includes:

a differentiator to differentiate the output signal of

said output buffer;

an integrator to integrate the output signal of said differentiator and output the result of integration in association with an input first disenable signal;

5 an inverting integrator to invert and integrate the output signal of said differentiator and output the result of integration in association with an input second disenable signal;

a first adder to add the output signal of said integrator and the output signal of said inverting integrator; and

10 a second adder to add the output signal of said first adder and the output signal of said output buffer.

9. The liquid crystal display device according to claim 1, wherein said video correction signal generator includes:

15 a differentiator to differentiate an externally input reference pulse;

an integrator to integrate the output signal of said differentiator and output the result of integration in association with an input first disenable signal;

20 an inverting integrator to invert and integrate the output signal of said differentiator and output the result of the integration in association with an input second disenable signal;

a first adder to add the output signal of said integrator and the output signal of said inverting integrator; and

25 a second adder to add the output signal of said first adder and the output signal of said output buffer.

10. The liquid crystal display device according to claim 7, wherein said video correction signal generator includes:

a differentiator to differentiate the output signal of

said output buffer;

an integrator to integrate the output signal of said differentiator and output the result of integration in association with an input first disable signal;

5 an inverting integrator to invert and integrate the output signal of said differentiator and output the result of integration in association with an input second disable signal;

a first adder to add the output signal of said integrator and the output signal of said inverting integrator; and

10 a second adder to add the output signal of said first adder and the output signal of said output buffer.

11. The liquid crystal display device according to claim 7, wherein said video correction signal generator includes:

15 a differentiator to differentiate an externally input reference pulse;

an integrator to integrate the output signal of said differentiator and output the result of integration in association with an input first disable signal;

20 an inverting integrator to invert and integrate the output signal of said differentiator and output the result of integration in association with an input second disable signal;

a first adder to add the output signal of said integrator and the output signal of said inverting integrator; and

25 a second adder to add the output signal of said first adder and the output signal of said output buffer.

12. The liquid crystal display device according to claim 5, wherein said differentiator includes a shift register, and a potential switching system to switch a potential at an output end

in association with the output signal of said shift register.